

**REMARKS**

Claims 43-49 are currently pending in the application. Claims 43, 46, 47 and 49 are in independent form.


The above amendment adds no new matter and is merely made to more accurately describe and claim the invention and to claim benefit of priority.

It is respectfully submitted that the application is now in condition for allowance, which allowance is respectfully requested.

The Commissioner is authorized to charge any fee or credit any overpayment in connection with this communication to our Deposit Account No. 11-1449.

Respectfully submitted,

KOHN & ASSOCIATES



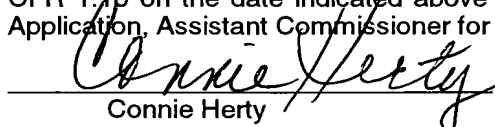
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE****IN THE SPECIFICATION:**

Page 1, after "In the Specification", please insert:

**--CROSS-RELATED REFERENCE SECTION**

This application is a divisional of United States Patent Application Serial No. 09/045,224, filed March 20, 1998.--

**CLAIMS:**

Please cancel claims 1-42.

43. (New) An apparatus for screening pharmacological agents for agents which induce regression of cancer, said apparatus comprising:

an evanescent sensing device;

at least one sensor having affixed to its surface molecules of a first type, which have affinity for molecules of a biological receptor, the surface molecule and receptor molecule combination having the effect that, *in vivo*, the binding affects the rate of transcription of gene products; and

a molecular tag wherein said molecular tag is bound to said sensor wherein the binding between molecules of the first type and molecules of biological receptor cause the tag to produce, an alteration in signal recorded by said evanescent sensing device, said tag also being bound to molecules of a second type, said molecules of second type having affinity for said receptor molecules.

44. (New) The apparatus according to claim 43, wherein said molecules of the second type are antibodies to said receptor.

45. (New) The apparatus according to claim 44, wherein said apparatus also includes a sample of tumor tissue.

using the data to evaluate the impact of the pharmacological agent on the rate of transcription of gene products.

a molecular tag which produces an alteration in signal recorded by said evanescent sensing device upon the binding between molecules of the first type and molecules of biological receptor, said tag also being associated with molecules of the first type.

48. (New) The apparatus according to claim 44, wherein said apparatus also includes a sample of tumor tissue.

introducing pharmacological agents to be assessed into the sample extract;

[illegible]

flowing said sample extract through the sensor again and recording the time course of signal observed by the evanescent sensing device; and

using the data to evaluate the impact of the pharmacological agent on the rate of transcription of gene products.

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$